

**Course Overview:**

The Hydrogen Seals Training course is intended for General Electric field engineers and students enrolled in the Field Engineering Program. Hydrogen Seals Training begins with a basic explanation of hydrogen seals, and then goes on to a detailed description of maintenance practices and modification procedures.

**Course Objective:**

- Describe the operating principles of hydrogen seals
- Identify the various components used in hydrogen seal assemblies
- Explain the inspection, repair, maintenance, and modification procedures for different hydrogen seal designs.

**Course Outline:**

- THEORY OF OPERATION DESCRIBES THE COMPONENTS
- FUNCTIONAL CHARACTERISTICS OF THE HYDROGEN SEAL OIL SYSTEM
- SEAL DESIGN AND MAINTENANCE
- EXAMINES THE CONSTRUCTION OF HYDROGEN SEAL ASSEMBLIES
- THE VARIOUS INSPECTION AND MAINTENANCE PROCEDURES
- MODIFICATIONS AND CONVERSIONS ILLUSTRATES HOW TO MODIFY EXISTING HYDROGEN SEALS.

**Who Should Attend:**

The course is designed for plant operators, maintainers, Supervisors and other non-engineering personnel

**Training Language:**

EN / AR

**Training Methodology:**

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies
- Workshops
- Simulation